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[54] PHOTOCATALYST FILTER

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PROBLEM TO BE SOLVED: To provide a photocatalyst filter constituted so as to develop the exciting function of a photocatalyst over the whole lateral direction of the photocatalyst filter.

SOLUTION: In a photocatalyst filter 1 wherein titanium oxide present in uniformly and parallelly arranged numerous aperture parts 3 is excited by the irradiation with ultraviolet rays with a wavelength of 381 nm or less from an ultraviolet lamp 2 and the pollutant in air coming into contact with the surfaces of the aperture parts is decomposed, the filter 1 is curved along the circular arc centering around the ultraviolet lamp 2 and ultraviolet rays emitted from the ultraviolet lamp 2 are applied to the surfaces of almost all of the aperture parts 3.
